

# **Children's Microenvironmental and Personal Pollutant Exposures and Health Studies: Indoor SB25 Monitoring Project**

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Investigators are monitoring indoor air quality at selected schools in three communities where more intensive ambient monitoring is being conducted as a requirement of the Children's Environmental Health Protection Act (Health and Safety Code Section 39617.5). The Act requires the Air Resources Board (ARB) to conduct enhanced neighborhood monitoring in several communities of California, in order to assess whether the current statewide monitoring network is adequate to determine the exposures of the public, especially infants and children, to air pollutants. The related indoor and personal monitoring data are being obtained through this project in the communities of Boyle Heights, Wilmington, and Crockett. A variety of pollutants are being measured in three classrooms at each school, at one outdoor site on the school grounds, and in one student's residence. Approximately 25 students at each school also will wear personal monitoring badges that measure volatile organic compounds (VOCs) such as benzene and chloroform. In addition, some of the children attending the schools will complete a health questionnaire designed to determine their incidence of asthma and allergies. The pilot study was completed in November 2001, and field work for the main study will be completed in June 2002. Information will be provided to the children and their families regarding ways they can reduce their exposure to indoor and outdoor air contaminants.